



DEPARTMENT OF PUBLIC WORKS & UTILITIES
3027 OLYMPUS DRIVE
BREMERTON WA 98310

MEETING NOTES EPA BROWNFIELDS GRANT

Meeting Date: December 4, 2007

Meeting No.: 03

Time: 1:15 P.M. to 2:45 P.M.

Place: City of Bremerton PW & Utilities Administration Office
3027 Olympus Drive, Bremerton WA 98310

Attendance: Joanne LaBaw, EPA Project Officer
David Cook, P.G. GeoEngineers, Inc.
Sean Trimble, P.G. GeoEngineers, Inc.
Bryce Robbert, Ecology & Environmental (E&E)
Linda Costello, E&E
Dan Miller, PW & Utilities

EPA introduced E&E as their Targeted Brownsfield Assessment (TBA) Contractor that will be contracted by EPA to perform this next phase of investigation. E&E will be compensated by EPA TBA funds.

EPA stated the TBA funds have become very popular and as a result get utilized very quickly. The present TBA budget for this next phase of field work is \$50K. The \$50K budget does not include the laboratory testing and data analysis. As a result of the budget constraint the total number of geoprobes may have to be reduced.

GeoEngineers provided a brief summary of the Upland Assessment Report. GeoEngineers and E&E discussed the types and levels of contaminants indicated in the report, Figures 3-6. GeoEngineers also mentioned that the Upland Assessment Report was provided to the Department of Ecology.

E&E is E&E mentioned they have developed a preliminary Plan that expands upon the Upland Assessment Report. E&E has developed additional sampling locations including sampling sediment locations on the beachfront.

EPA stated the beachfront sediment sampling was not part of the initial plan but will be useful in this next phase to acquire samples especially at their point of compliance that DOE will eventually want to know.

E&E provided their proposed sampling approach and proposed site sampling locations. See attached Memorandum, dated November 29, 2007 and Proposed Sampling Site Locations, dated 10/8/07.

According to the Memorandum and Sampling Locations, E&E proposes additional subsurface sampling; nine (9) geoprobes sampling locations (McConkey Property MP-01 – MP-06 and Sesko Property SP-01-through SP-03). The nine subsurface soil samples will be collected from each borehole at four (4) foot intervals.

MP-01 through MP-03 will be located downgradient of previously sampled locations that were found to be contaminated on the McConkey property to determine whether this contamination is migrating; MP -04 – MP-06 will be located in areas not previously sampled on the McConkey property to determine whether contamination exists in these areas. In fact, MP -04 and MP-05 will be located adjacent to or in Thomson Avenue to see if contamination is migrating from the upper elevated petroleum site that was formally an ARCO site.

SP-01 through SP-03 will be located downgradient or in close proximity to areas previously used to store petroleum products on the Sesko property.

In addition, beachfront sediment samples are also discussed in this phase. The proposed locations along the beachfront are identified as WN-01 through WN-05. The sediment sampling will be advanced using a hand auger in lieu of a track rig since the steep slope appears impossible to mobilize motorized equipment. According to the Memorandum, E&E anticipates the sediment samples be tested for NWTPH-Gx/Dx, volatile organic compounds (VOC's), semi-volatile organic compounds (SVOC's), and Target Analyte List (TAL) metals.

NOTE: GeoEngineers and/or E&E will determine the appropriate sampling depths for the proposed beachfront samples (WN-01 through WN-05).

E&E stated the Proposed Sampling Locations are assumptions and open for discussion and modifications.

GeoEngineers, E&E and EPA came to a consensus as to the sampling locations with some slight modifications:

- MP-06 and SP-02 will be monitoring wells in lieu of soil borings; This will allow the collection of discrete groundwater samples at each of these proposed soil boring locations.

In addition to discussing the sampling locations, GeoEngineers recommended that E&E construct a geological cross-section of the site in an effort to determine the groundwater-to-surface water discharge zone.

From the meeting discussion, E&E will finalize the Site Plan and begin drafting the Sampling Assessment Plan (SAP) and Health Safety Plan (HSP) for EPA's review and approval. E&E anticipates submitting the aforementioned documents to EPA by end of December or early part of January '08

As indicated in the initial work plan, EPA's approval takes approximately 20-working days for the SAP and HSP.

Presently, E&E is committed on several on-going projects and assignments. E&E anticipates mobilizing on-site by early March or by mid-March '08.

GeoEngineers will be available to the City to assist with review and other needs that may be necessary to expedite this next phase.

Dan Miller, City of Bremerton PW & Utils.

Date